



April 24, 2012

Mr. Sean Sheldrake
U.S. Environmental Protection Agency
1200 Sixth Avenue
Suite 900, M/S ECL-110
Seattle, Washington 98101

Subject: EPA's March 28, 2012 Comments on the EE/CA Technical Briefing and Submittal of
a Revised EE/CA Schedule, Arkema Inc. Portland Facility
Administrative Order on Consent (AOC) for Removal Action
U.S. EPA Region 10 Docket No. CERCLA 10-2005-0191

Dear Mr. Sheldrake:

Legacy Site Services LLC (LSS), agent for Arkema Inc., has received EPA's March 28, 2012 comments on the engineering evaluation/cost analysis (EE/CA) technical briefing given February 16, 2012 by Integral Consulting Inc. (Integral) on behalf of LSS. The letter from EPA included 19 comments related to the EE/CA technical briefing (i.e., comments 1 through 19) and 6 comments that discussed selected previous decisions and agreements (i.e., comments 20 through 25).

No response to these comments is required by EPA, so LSS is moving forward with the EE/CA evaluation. LSS will consider the comments and previous decisions (which speak for themselves) and respond as appropriate in the preparation of the draft EE/CA report. On the second page of the March 28, 2012 comment letter, EPA states that the delivery of the draft EE/CA report is 90 days following the technical briefing. However, during the EE/CA technical briefing, EPA and LSS discussed that the schedule for initiating the draft EE/CA report would be based, in part, on the receipt of EPA comments on the alternatives briefing. In addition, EPA has requested that the EE/CA schedule be integrated with the Harbor-wide Feasibility Study (FS) and comment 19 of EPA's comment letter specifically provides guidance on the schedule integration.

In order to facilitate the schedule integration and to provide an informed and efficient draft EE/CA report, attached is a revised schedule designed to integrate the EE/CA schedule with the anticipated Portland Harbor FS schedule¹. Based on this updated schedule, LSS will have the opportunity to consider EPA's input on the LWG's draft final human health risk assessment, draft final baseline ecological risk assessment, and draft feasibility study before evaluating remedial options and preparing the draft EE/CA. In addition to integrating the EE/CA and

¹ The Portland Harbor draft FS report, submitted to EPA on March 30, 2012, did not include a schedule for the FS. Therefore, an anticipated Portland Harbor FS schedule was prepared by LSS, as attached.

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Portland Harbor FS, the schedule will also provide time for LSS to consider EPA's comments provided in the March 28, 2012 letter when preparing the draft EE/CA report. The draft EE/CA report will also include screening of other COIs against PRGs and/or RALs that was deferred from the Final Removal Action Area Characterization (RAAC) report and other requirements in accordance with the 2008 and 2011 Opalski Decisions. According to the integrated schedule, the first draft of the EE/CA report will be submitted to EPA on December 14, 2012.

LSS recommends that an integrated schedule be adopted for this project in accordance with EPA's recent guidance and comments. A first draft of EE/CA report developed by the integrated schedule is expected to ultimately save time because EPA's initial comments on the draft Portland Harbor FS and comments on the draft final risk assessments can be considered and incorporated into the report, which may reduce the number of agency comments and associated negotiations on the EE/CA. The integrated schedule will also allow for the deferred RAAC report work to be completed with PRGs and RALs from the draft Portland Harbor FS that have undergone an initial review by EPA.

Alternatively, LSS has also provided a non-integrated schedule that does not sync the Arkema EE/CA with the Portland Harbor FS schedule. According to the non-integrated schedule, the first draft of the EE/CA report will be submitted to EPA on September 14, 2012. Accordingly, due to time constraints, the draft EE/CA report produced under the non-integrated schedule will not include consideration of EPA comments on the draft Portland Harbor FS, and may not include consideration of EPA comments on the draft final risk assessments if those comments are delayed.

Please let me know if EPA prefers the schedule that more fully integrates the Arkema EE/CA with the Portland Harbor FS or the non-integrated schedule. Also, please contact me at (610) 594-4430 if you have any questions or comments pertaining to this letter. LSS looks forward to submitting the draft EE/CA report and working with EPA through the EE/CA process.

Sincerely,

Legacy Site Services LLC



J. Todd Slater
Assistant Vice President

cc: (electronic)

James M. Anderson, Oregon DEQ
Rick Kepler, Oregon Department of Fish and Wildlife
Rob Neely, NOAA Coastal Resources Coordination
Dr. Nancy Munn, NOAA Fisheries
Jeremy Buck, US Fish and Wildlife

Preston Sleeper, US Department of Interior
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Arkema Early Action Integrated EE/CA Schedule																									
ID	Task Name	Working Days	Calendar Days	Start	Finish																				
						2012		2013				2014				2015				2016				20	
						Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2		
1	Estimated Arkema Early Action Schedule	1155 days	1615	Mon 7/30/12	Fri 12/30/16																				
2	First Draft EE/CA	100 days	138	Mon 7/30/12	Fri 12/14/12																				
3	Preparation and EPA Approval of Final EE/CA Report	200 days	278	Mon 12/17/12	Fri 9/20/13																				
4	Preparation and EPA Approval of Final BA & Section 404 Memo	200 days	278	Mon 12/17/12	Fri 9/20/13																				
5	Preparation and EPA Issuance of Action Memorandum	66 days	92	Mon 9/23/13	Mon 12/23/13																				
6	Preparation and EPA Approval of Final Design	590 days	826	Tue 12/24/13	Mon 3/28/16																				
7	Preparation and EPA Approval of Contractor(s)	66 days	92	Tue 3/29/16	Tue 6/28/16																				
8	Preparation and EPA Approval of RA Work Plan	133 days	185	Wed 6/29/16	Fri 12/30/16																				
9	Implementation of Removal Action (Note 1)	0 days	0	Fri 12/30/16	Fri 12/30/16																				
10	Estimated Portland Harbor Schedule (Note 2)	718 days	1004	Mon 4/2/12	Wed 12/31/14																				
11	LWG Anticipated Receipt of Preliminary EPA Comments on PH Ecological Risk Assessment	0 days	0	Tue 5/1/12	Tue 5/1/12																				
12	LWG Anticipated Receipt of Preliminary EPA Comments on PH HHRA	0 days	0	Tue 5/15/12	Tue 5/15/12																				
13	LWG Anticipated Receipt of Preliminary EPA Comments on Draft PH FS	0 days	0	Mon 7/30/12	Mon 7/30/12																				
14	Preparation and EPA Approval of PH FS (Note 3)	718 days	1004	Mon 4/2/12	Wed 12/31/14																				
15	EPA Issuance of PH ROD	0 days	0	Wed 12/31/14	Wed 12/31/14																				

Notes:

1. Estimated Arkema Early Action implementation schedule is dependent on sequencing to be provided in the PH ROD

2. A formal schedule for the Portland Harbor Superfund Site is not available. Major milestones, tasks and durations have been estimated.

3. Assumed duration includes reviews and associated comment response periods (including National Remedy Review Board, CSTAG, and public) and writing of the action memorandum (per EPA's 3-28-2012 letter).

Arkema Early Action Non-Integrated EE/CA Schedule																							
ID	Task Name	Working Days	Calendar Days	Start	Finish																		
						2012 2013 2014 2015 2016 20																	
						Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
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4	Preparation and EPA Approval of Final BA & Section 404 Memo	200 days	278	Mon 9/17/12	Fri 6/21/13																		
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						2. A formal schedule for the Portland Harbor Superfund Site is not available. Major milestones, tasks and durations have been estimated.																	
						3. Assumed duration includes reviews and associated comment response periods (including National Remedy Review Board, CSTAG, and public) and writing of the action memorandum (per EPA's 3-28-2012 letter).																	